

SOME NEW GEOMETRIDÆ FROM ARIZONA.

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Among a number of Geometridæ kindly lent to me for study by the U. S. National Museum, I find several that are apparently new to science. Two of these, both belonging to the genus *Sabulodes* as defined by Hulst, are described in the present paper.

Sabulodes arizonata, new species.

Expanse 35 mm.

Palpi, head, thorax and abdomen and all wings above fawn color with an ochreous tinge, the female being of a rather brighter tint than the male.

Fore wings falcate, more evidently so in the female, hind wings distinctly angled at vein 4.

Fore wings crossed by 2 straight buff lines (bordered with whitish) more than twice as distant from one another on the costa as on the inner margin; discal points faint.

Hind wings hardly lighter than fore wings; a single straight extra discal line; discal points very small and indistinct.

Beneath uniform pale yellowish fawn, quite without markings in ♀, but with a few black specks and the very faintest indications of markings as above, in the ♂.

Described from three specimens: ♂, Huachuca Mts., Arizona, May 8-15, U. S. National Museum, type no. 9799; ♂, Cochise Co., Arizona, April 20, 1904, ♀, Cochise Co., Arizona, July 5, 1904, in my own collection.

The three specimens present slight differences and if it should prove that they are not conspecific, the first-named specimen must be considered the type of the present species.

Sabulodes arizonata belongs to that group in the genus which contains *truxaliata* Guenée, *cervinaria* Packard, *aurantiacaria* Packard and *novellata* Hulst. From the first three of these *arizonata* differs in having the inner line straight instead of gently curved. From *novellata*, which also has a straight inner line, it may be distinguished by the absence of any trace of a submarginal hair line above or below and by the approximation of the outer and inner lines on the inner margin of the fore wings.

Sabulodes costinotata, new species.

Expanse 35 mm.

This is a species resembling, in almost everything except color, the ♀ of *S. arcasaria* (= *sulphurata* Pack.).

Palpi, head and collar dull purplish brown. Thorax, abdomen and upper surface of wings pale wood brown, paler than *S. jurciferata* Packard. Markings as in *sulphurata* except that both outer and inner lines are more evident. The outer line is continued across the hind wings but there is no conspicuous spot at the termination of this line on the inner margin of the wing as there is in *sulphurata*. Beneath the markings are reproduced as in *sulphurata*. Discal dots distinct above and below.

The type specimens are three in number and are all females: Durango, Colorado, U. S. Nat. Museum, type no. 9800; Phoenix, Arizona (two specimens), in my collection.

Sicya snoviaria Hulst.

In the same collection (U. S. Nat. Mus.) there is another specimen on which I may comment here.

It is labelled "Santa Catalina Mts., Pinal Co., Arizona, April 8-15" and is a ♀ apparently conspecific with a ♂ in my own collection which I suppose to be the *Heterolocha snoviaria* Hulst, described from New Mexico. Hulst's type was a single ♂ and my specimen agrees well with the description except that it has a conspicuous basal line on the fore wing which is not mentioned by Hulst.

The ♀ specimen, however, has simple antennæ and very short palpi and therefore belongs to the genus *Sicya* and not to *Heterolocha* or *Neoterpes*. If my determination of *snoviaria* is correct, that species must be removed to *Sicya*; if otherwise then the specimens noted above will represent a new species in that genus.

DESCRIPTIONS OF TWO LEPIDOPTEROUS LARVÆ.

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LARVA OF SPHINGICAMPA HEILIGERODTHI HARVEY.

Every autumn I collect on the desert close to the Salt River, near Phoenix, a few of *Gyascutus obliteratus*, a good Buprestid found on Palo Verde (*Parkinsonia microphylla*) and while thus engaged found for the first time in nine years the larva of *heiligerodthii*. This brilliant larva is readily detected, its silvered ornamentation reflected by